Author Index to Volume 191

Almlöf, J., see J.E. Rice 191 (1992) 23
Almlöf, J., see O. Gropen 191 (1992) 306
Amblard, J., see J. Khatouri 191 (1992) 351
Anastasi, C., V.J. Simpson and P. Pagsberg, A pulse radiolysis-gas chromatography technique used to study gas-phase reactions 191 (1992) 157
Andersson, K. and B.O. Roos, Excitation energies in the nickel atom studied with the complete active space SCF method and second-order perturbation theory 191 (1992) 507
Andersson, L.L., see J. Davidsson 191 (1992) 489
Apkarian, V.A., see G.J. Hoffman 191 (1992) 401

Back, R., G.A. Kenney-Wallace, W.T. Lotshaw and D. McMorrow, Observation of low-frequency Raman modes in several halogenated methanes by the optical Kerr effect 191 (1992) 423
Bader, R.F.W. and P.F. Zou, An atomic population as the expectation value of a quantum observable 191 (1992) 54
Barclay Jr., W.L., see J.E. Shirley 191 (1992) 378
Bardez, E., P. Boutin and B. Valeur, Photoinduced biprotonic transfer in 4-methylumbelliferone 191 (1992) 142
Barofsky, D., see G. Brinkmalm 191 (1992) 345
Bastow, T.J., M.E. Smith and S.N. Stuart, Observation of ^{91}Zr NMR in zirconium-based metals and oxides 191 (1992) 125
Bauder, A., see R.M. Spycher 191 (1992) 102
Baumert, T., V. Engel, C. Röttgermann, W.T. Strunz and G. Gerber, Femtosecond pump–probe study of the spreading and recurrence of a vibrational wave packet in Na_2 191 (1992) 639
Baumgärtel, H., see E. Rühl 191 (1992) 430
Becker, K.H., see F. Kirchner 191 (1992) 169
Bedford, D.K., see D. Smith 191 (1992) 587
Bednarova, L., see P. Pancoska 191 (1992) 603
Belloni, J., see J. Khatouri 191 (1992) 351
Belyaev, A.N., see V.N. Brezhnev 191 (1992) 379
Benesh, G. and D.A. King, Core-level shift spectroscopy for adsorbates: ionic, covalent or metallic bonding? 191 (1992) 315
Bennema, P., see M.A. Verheijen 191 (1992) 339
Berlande, J., see J.-P. Visticot 191 (1992) 107
Bhabadynti Sinha, see P.K. Mandal 191 (1992) 448
Bhattacharya, R., see D. Roy 191 (1992) 609
Bhowmick, S., see D. Roy 191 (1992) 609
Bildsøe, H., see N.Chr. Nielsen 191 (1992) 205
Billing, G.D., see A. Guldberg 191 (1992) 455
Biskupič, S., M. Bittererová and V. Kvasnička, A comparative study of different approximations in the coupled-cluster method 191 (1992) 29
Bittererová, M., see S. Biskupič 191 (1992) 29

Bleiber, A., see P. Ugliengo 191 (1992) 537
Blokhin, A.P., see N.A. Borisevich 191 (1992) 225
Böhm, M.C., see L. Utrera 191 (1992) 299
Borisevich, N.A., E.V. Khoroshilov, I.V. Kryukov, P.G. Kryukov, A.V. Sharkov, A.P. Blokhin and G.B. Tolstorozhev, Femtosecond analysis of free molecular rotation in the gas phase 191 (1992) 225
Boronin, A.I., see V.N. Brezhnev 191 (1992) 379
Boutin, P., see E. Bardez 191 (1992) 142
Brezhnev, V.N., A.I. Boronin, V.P. Ostanin, V.S. Tupikov and A.N. Belyaev, Observation of surface acoustic phonon resonances: applications to the $CO+O_2$ oscillatory reaction on Pt{100} 191 (1992) 379
Bridier, I., R. Lesclaux and B. Veyret, Flash photolysis kinetic study of the equilibrium $CH_3O_2+NO_2 \rightleftharpoons CH_3O_2NO_2$ 191 (1992) 259
Brinkmalm, G., D. Barofsky, P. Demirev, D. Fenyö, P. Håkansson, R.E. Johnson, C.T. Reimann and B.U.R. Sundqvist, Formation of fullerenes in MeV ion track plasmas 191 (1992) 345
Broström, L., see L.G.M. Pettersson 191 (1992) 279
Brown, C.E., S.A. Mitchell and P.A. Hackett, Association reactions of nickel atoms with carbon monoxide and alkenes at room temperature: binding energy of NiC_2H_4 191 (1992) 175
Burland, D.M., see M. Stähelin 191 (1992) 245

Cai, Z.-L., Y.-F. Wang and H.-M. Xiao, Ab initio study of low-lying electronic states of the SiCO radical 191 (1992) 533
Cameron, S.M., see B.C. Stuart 191 (1992) 273
Cassady, C.J., see P. Sharpe 191 (1992) 111
Chen, P.J., see M.L. Colaianni 191 (1992) 561
Chipot, C., D. Rinaldi and J.-L. Rivail, Intramolecular electron correlation in the self-consistent reaction field model of solvation. A MP2/6-31G** ab initio study of the NH_3–HCl complex 191 (1992) 287
Colaianni, M.L., P.J. Chen, H. Gutleben and J.T. Yates Jr., Vibrational studies of CH_3I on Si(100)-(2×1): adsorption and decomposition of the methyl species 191 (1992) 561
Connell, L.L., see S.M. Ohline 191 (1992) 362
Cooks, R.G., see P.H. Hemberger 191 (1992) 405
Cui, T.J., see H.P. Yang 191 (1992) 130
Cuvellier, J., see J.-P. Visticot 191 (1992) 107

Dallwig, S., N. Fahrer and C. Schlier, The combination of complex scaling and the Lanczos algorithm 191 (1992) 69
Danehy, P.M., see R.L. Vander Wal 191 (1992) 251
Danielsen, E., see J.R. Lakowicz 191 (1992) 47
Darling, G.R. and S. Holloway, Enhanced diffraction of vibrationally excited molecules from surfaces 191 (1992) 396
Davidsson, J., S. Nordholm and L.L. Andersson, The interaction strength dependence of diatomic collisional energy transfer: a molecular dynamics study 191 (1992) 489
Demirev, P., see G. Brinkmalm 191 (1992) 345
Demontis, P., G.B. Suffritti and P. Mura, A molecular dynamics study of diffusion of methane in silicalite molecular sieve at high dilution 191 (1992) 553
De Pujo, P., see J.-P. Visticot 191 (1992) 107

Domcke, W., see J. Eiding 191 (1992) 203

Ebbesen, T.W., J. Tabuchi and K. Tanigaki, The mechanistics of fullerene formation 191 (1992) 336
Eden, J.G., see J.H. Schloss 191 (1992) 195
Eiding, J., R. Schneider, W. Domcke, H. Köppel and W. von Niessen, Ab initio investigation of the multimode dynamical Jahn–Teller effect in the $\tilde{X}\,^2E_{1g}$ state of the benzene cation, Chem. Phys. Letters 177 (1991) 345. Erratum 191 (1992) 203
Eisenthal, K.B., see S. Ong 191 (1992) 327
Engel, V., see T. Baumert 191 (1992) 639
Eyal, M., see S.R. Rotman 191 (1992) 65

Fahrer, N., see S. Dallwig 191 (1992) 69
Farrow, R.L., see R.L. Vander Wal 191 (1992) 251
Felker, P.M., see S.M. Ohline 191 (1992) 362
Fenyö, D., see G. Brinkmalm 191 (1992) 345
Fenzke, D., see M. Hunger 191 (1992) 391
Ferrari, A.M., see P. Ugliengo 191 (1992) 537
Fickenscher, M., H.-G. Purucker and A. Laubereau, Resonant vibrational dephasing investigated by high-precision femtosecond CARS 191 (1992) 182
Fischer, R., see A.V. Sharkov 191 (1992) 633
Fox, T. and N. Rösch, The calculation of solvatochromic shifts: the n–π^* transition of acetone 191 (1992) 33
Francisco, J.S., The role of $CF_3C(O)O_x$ radicals in atmospheric chemical processes 191 (1992) 7
Francisco, J.S., A.N. Goldstein, M.A. Robb and I.H. Williams, Theoretical characterization of low-lying electronic states of FCO 191 (1992) 13
Freude, D., see M. Hunger 191 (1992) 391
Friedman, J.S., M.C. Lee and C.Y. She, Depolarized stimulated gain spectra of liquid CS_2 and benzene at room temperature, Chem. Phys. Letters 186 (1991) 161. Erratum 191 (1992) 204
Frost, M.J. and I.W.M. Smith, Infrared–ultraviolet double resonance measurements on the relaxation of rotational energy in the $(3_1, 2_1 4_1 5_1)$ Fermi resonance states of C_2H_2 191 (1992) 574
Fujii, T., A novel method for detection of radical species in the gas phase: usage of Li^+ ion attachment to chemical species 191 (1992) 162

Gadéa, F.X. and A.V. Zaitsevskii, Variational Ansatz for effective Hamiltonians: solution of convergence problem via the intermediate Hamiltonian approach 191 (1992) 77
Gai, H. and D.L. Thompson, Collision-induced energy transfer in *p*-difluorobenzene by light atoms: a wave-packet scattering calculation 191 (1992) 441
Garland, N.L. and H.H. Nelson, Temperature dependence of the kinetics of the reaction $Al+O_2 \rightarrow AlO+O$ 191 (1992) 269
Garrone, E., see P. Ugliengo 191 (1992) 537
Gauss, J., Calculation of NMR chemical shifts at second-order many-body perturbation theory using gauge-including atomic orbitals 191 (1992) 614
Gerber, G., see T. Baumert 191 (1992) 639
Gillbro, T., see A.V. Sharkov 191 (1992) 633
Goldstein, A.N., see J.S. Francisco 191 (1992) 13
Gropen, O. and J. Almlöf, The band structure of nickel: ab initio calculations on the Ni_6 cluster 191 (1992) 306

Gruwel, M.L.H., Effects of dipolar dephasing on deuterium multiple pulse quadrupolar echoes 191 (1992) 621
Gryczynski, I., see J.R. Lakowicz 191 (1992) 47
Guldberg, A. and G.D. Billing, Laser-induced dissociation of an anharmonic oscillator coupled to a set of harmonic oscillators 191 (1992) 455
Guo, T. and G.E. Scuseria, Ab initio calculations of tetrahedral hydrogenated buckminsterfullerene 191 (1992) 527
Gutleben, H., see M.L. Colaianni 191 (1992) 561
Gutman, I., S.-L. Lee and Y.-N. Yeh, Net signs and eigenvalues of molecular graphs: some analogies 191 (1992) 87

Hackett, P.A., see C.E. Brown 191 (1992) 175
Hadad, A., see S.R. Rotman 191 (1992) 65
Håkansson, P., see G. Brinkmalm 191 (1992) 345
He, H., see W. Kolodziejski 191 (1992) 117
Helgaker, T., see M. Jaszuński 191 (1992) 599
Hemberger, P.H., N.S. Nogar, J.D. Williams, R.G. Cooks and J.E.P. Syka, Laser photodissociation probe for ion tomography studies in a quadrupole ion trap mass spectrometer 191 (1992) 405
Hermansson, K., see L. Ojamäe 191 (1992) 500
Hernandez, V., F.J. Ramirez, G. Zotti and J.T. Lopez Navarrete, Resonance Raman and FTIR spectra of pristine and doped polyconjugated polyfuran 191 (1992) 419
Hoffman, G.J., E. Sekreta and V.A. Apkarian, Oriented geminate recombination of Cl_2 in solid xenon at high pressure 191 (1992) 401
Holloway, S., see G.R. Darling 191 (1992) 396
Holmes, B.E., see R.L. Vander Wal 191 (1992) 251
Hooper, A.J., see R.J. Tepper 191 (1992) 411
Hotchandani, S. and P.V. Kamat, Modification of electrode surface with semiconductor colloids and its sensitization with chlorophyll **a** 191 (1992) 320
Huber, W., see J. Eiding 191 (1992) 203
Hughes, K.J., P.D. Lightfoot and M.J. Pilling, Direct measurements of the peroxy–hydroperoxy radical isomerisation, a key step in hydrocarbon combustion 191 (1992) 581
Hunger, M., D. Freude, D. Fenzke and H. Pfeifer, ^{1}H solid-state NMR studies of the geometry of Brønsted acid sites in zeolites H-ZSM-5 191 (1992) 391

Iafrate, G.J., see Y. Li 191 (1992) 38
I'Haya, Y.J., see K. Kobayashi 191 (1992) 82
Ishida, T., Theoretical study on Penning ionization with multi-exit channels: N_2–$He^*(2\,^3S) \rightarrow N_2^+(^2\Sigma_g, {}^2\Pi_u, {}^2\Sigma_u) + He + e^-$ 191 (1992) 1

Jackson, J.E., see T.-L. Shen 191 (1992) 149
Jakobsen, H.J., see N.Chr. Nielsen 191 (1992) 205
Jaszuński, M., P. Jørgensen and H.J.A. Jensen, Frequency-dependent hyperpolarizability of hydrogen fluoride 191 (1992) 293
Jaszuński, M., H.J.A. Jensen, P. Jørgensen, A. Rizzo, T. Helgaker and K. Ruud, The magnetic hyperpolarizability anisotropy of the neon atom 191 (1992) 599
Jeffries, J.B., see R.L. Vander Wal 191 (1992) 251
Jensen, H.J.A., see M. Jaszuński 191 (1992) 293

Jensen, H.J.A., see M. Jaszuński 191 (1992) 599
Johnson, R.E., see G. Brinkmalm 191 (1992) 345
Joireman, P.W., see S.M. Ohline 191 (1992) 362
Jonah, C.D. and Y. Lin, Experimental investigation of the dynamics of benzophenone anion solvation 191 (1992) 357
Jones, R.B., see J.H. Schloss 191 (1992) 195
Jørgensen, P., see M. Jaszuński 191 (1992) 293; 599

Kaczelnik, P., see S.R. Rotman 191 (1992) 65
Kamat, P.V., see S. Hotchandani 191 (1992) 320
Kaneko, K., see T. Suzuki 191 (1992) 569
Kapsa, V., see P. Pancoska 191 (1992) 603
Katoh, T., see M. Mimuro 191 (1992) 219
Kawai, R. and J.H. Weare, Anomalous stability of B_{13}^{+} clusters 191 (1992) 311
Kenney-Wallace, G.A., see R. Back 191 (1992) 423
Khatouri, J., M. Mostafavi, J. Amblard and J. Belloni, Radiation-induced copper aggregates and oligomers 191 (1992) 351
Khoroshilov, E.V., see N.A. Borisevich 191 (1992) 225
Khoroshilov, E.V., see A.V. Sharkov 191 (1992) 633
King, D.A., see G. Benesh 191 (1992) 315
King, P.M., see R.M. Spycher 191 (1992) 102
Kirchner, F., F. Zabel and K.H. Becker, Kinetic behaviour of benzoylperoxy radicals in the presence of NO and NO_2 191 (1992) 169
Klinowski, J., see W. Kolodziejski 191 (1992) 117
Kobayashi, K., T. Sano and Y.J. I'Haya, The black phosphorus band structure calculation with a semi-empirical crystal orbital approach 191 (1992) 82
Koguchi, T., see N. Ohta 191 (1992) 232
Kolodziejski, W., H. He and J. Klinowski, ^{31}P solid-state NMR study of spin diffusion in the molecular sieve VPI-5 using variable-speed MAS 191 (1992) 117
Köppel, H., see J. Eiding 191 (1992) 203
Krieger, J.B., see Y. Li 191 (1992) 38
Kroon, J., see A.M. Oliver 191 (1992) 371
Kryukov, I.V., see N.A. Borisevich 191 (1992) 225
Kryukov, I.V., see A.V. Sharkov 191 (1992) 633
Kryukov, P.G., see N.A. Borisevich 191 (1992) 225
Kryukov, P.G., see A.V. Sharkov 191 (1992) 633
Kvasnička, V., see S. Biskupič 191 (1992) 29

Lakowicz, J.R., I. Gryczynski and E. Danielsen, Anomalous differential polarized phase angles for two-photon excitation with isotropic depolarizing rotations 191 (1992) 47
Lallement, A., see J.-P. Visticot 191 (1992) 107
Larsson, M., see L.G.M. Pettersson 191 (1992) 279
Laubereau, A., see M. Fickenscher 191 (1992) 182
Lee, M.C., see J.S. Friedman 191 (1992) 204
Lee, S.-L., see I. Gutman 191 (1992) 87
Lee, T.J., see J.E. Rice 191 (1992) 23

Leforestier, C., see K. Yamashita 191 (1992) 515
Legon, A.C., A.L. Wallwork and H.E. Warner, Do methyl groups form hydrogen bonds? An answer from the rotational spectrum of ethane–hydrogen cyanide 191 (1992) 97
Le Quéré, F., see K. Yamashita 191 (1992) 515
Leroi, G.E., see T.-L. Shen 191 (1992) 149
Lesclaux, R., see I. Bridier 191 (1992) 259
L'Heureux, I., see X.-G. Wu 191 (1992) 463
Li, Y., J.B. Krieger and G.J. Iafrate, Negative ions as described by Kohn–Sham exchange-only theory 191 (1992) 38
Lightfoot, P.D., see K.J. Hughes 191 (1992) 581
Lin, Y., see C.D. Jonah 191 (1992) 357
Lindsell, G., see J.W. White 191 (1992) 92
Liu, R., see X. Zhou 191 (1992) 477
Long, H., see D. Raftery 191 (1992) 385
Lopez Navarrete, J.T., see V. Hernandez 191 (1992) 419
Lotshaw, W.T., see R. Back 191 (1992) 423

Ma, B., Y. Xie and H.F. Schaefer III, Tetraethynylethylene, a molecule with four very short C–C single bonds. Interpretation of the infrared spectrum 191 (1992) 521
Mandal, P.K., Bhabadynti Sinha, P.T. Manoharan and S. Ramasesha, Theoretical studies of the spin states of macrocyclic aza-amido binuclear copper (II) complexes 191 (1992) 448
Mannervik, S., see L.G.M. Pettersson 191 (1992) 279
Manoharan, P.T., see P.K. Mandal 191 (1992) 448
Maoz, O., see S.R. Rotman 191 (1992) 65
Masuhara, H., see N. Tamai 191 (1992) 189
Matsumoto, T., K. Ueda and M. Tomita, Femtosecond vibrational relaxation measurement of azulene using temporally incoherent light 191 (1992) 627
Mayer, I. and P.R. Surján, Monomer geometry relaxation and the basis set superposition error 191 (1992) 497
McMorrow, D., see R. Back 191 (1992) 423
Meekes, H., see M.A. Verheijen 191 (1992) 339
Meijer, G., see M.A. Verheijen 191 (1992) 339
Mestdagh, J.M., see J.-P. Visticot 191 (1992) 107
Meynadier, P., see J.-P. Visticot 191 (1992) 107
Mimuro, M., U. Nagashima, S. Nagaoka, Y. Nishimura, S. Takaichi, T. Katoh and I. Yamazaki, Quantitative analysis of the solvent effect on the relaxation processes of carotenoids showing dual emissive characteristics 191 (1992) 219
Misra, G.P., Effect of temperature and associated bifurcation in the oscillatory Belousov–Zhabotinskii reaction in a flow reactor 191 (1992) 435
Mitchell, S.A., see C.E. Brown 191 (1992) 175
Molski, A., The relationship between bimolecular rate coefficients for irreversible and reversible diffusion influenced reactions 191 (1992) 59
Morokuma, K., see K. Yamashita 191 (1992) 515
Mostafavi, M., see J. Khatouri 191 (1992) 351
Moustakas, A. and E. Weitz, A comparison between the vibrational relaxation rate of HCl in liquid versus supercritical xenon 191 (1992) 264
Mura, P., see P. Demontis 191 (1992) 553

Nagaoka, S., see M. Mimuro 191 (1992) 219
Nagashima, U., see M. Mimuro 191 (1992) 219
Nakano, M., see K. Yamaguchi 191 (1992) 237
Nelson, H.H., see N.L. Garland 191 (1992) 269
Nielsen, N.Chr., H. Bildsøe and H.J. Jakobsen, Finite rf pulse excitation in MAS NMR of quadrupolar nuclei. Quantitative aspects and multiple-quantum excitation 191 (1992) 205
Nieminen, J.A., Computer simulation of quantum features of very weakly quantum mechanical systems 191 (1992) 483
Nishimura, Y., see M. Mimuro 191 (1992) 219
Nocera, D.G., see T.-L. Shen 191 (1992) 149
Nogar, N.S., see P.H. Hemberger 191 (1992) 405
Nordholm, S., see J. Davidsson 191 (1992) 489
Nygren, M.A. and L.G.M. Pettersson, The spectrum and structure of the C_4 molecule 191 (1992) 473

Ogilvie, J.F., Radial functions of the diatomic metal hydrides AgH, GaH, InH and TlH from vibration–rotational spectra 191 (1992) 592
Ohline, S.M., P.W. Joireman, L.L. Connell and P.M. Felker, Structural characterization of clusters of perylene with argon and neon by rotational coherence spectroscopy 191 (1992) 362
Ohta, N., T. Koguchi, T. Takemura and I. Suzuka, External magnetic field effects on fluorescence properties across the photodissociation threshold of acetaldehyde vapor 191 (1992) 232
Ojamäe, L., K. Hermansson and M. Probst, The OH stretching frequency in liquid water simulations: the classical error 191 (1992) 500
Okada, M., see K. Tanaka 191 (1992) 469
Okahara, K., see K. Tanaka 191 (1992) 469
Okumura, M., see K. Yamaguchi 191 (1992) 237
Oliver, A.M., M.N. Paddon-Row, J. Kroon and J.W. Verhoeven, Orbital symmetry effects on intramolecular charge recombination 191 (1992) 371
Ong, S., X. Zhao and K.B. Eisenthal, Polarization of water molecules at a charged interface: second harmonic studies of the silica/water interface 191 (1992) 327
Ostanin, V.P., see V.N. Brezhnev 191 (1992) 379
Ouhlal, A., see A. Selmani 191 (1992) 213

Paddon-Row, M.N., see A.M. Oliver 191 (1992) 371
Pagsberg, P., see C. Anastasi 191 (1992) 157
Palmisano, A., see J.W. White 191 (1992) 92
Pancoska, P., L. Bednarova and V. Kapsa, Chirality of ordered molecular complexes consisting of protein with fixed prosthetic group 191 (1992) 603
Pang, L., see J.W. White 191 (1992) 92
Pettersson, L.G.M., P.E.M. Siegbahn, L. Broström, S. Mannervik and M. Larsson, Theoretical potential curves for the $A\,^2\Pi$ and $X\,^2\Sigma^+$ states of NO^{2+} and an experimental search for the A–X transition 191 (1992) 279
Pettersson, L.G.M., see M.A. Nygren 191 (1992) 473
Pfeifer, H., see M. Hunger 191 (1992) 391
Pilling, M.J., see K.J. Hughes 191 (1992) 581
Pines, A., see D. Raftery 191 (1992) 385
Powell, H.T., see B.C. Stuart 191 (1992) 273
Probst, M., see L. Ojamäe 191 (1992) 500

Purucker, H.-G., see M. Fickenscher 191 (1992) 182

Qin, Y., see H.P. Yang 191 (1992) 130

Raas, E., see M.A. Verheijen 191 (1992) 339
Raftery, D., H. Long, L. Reven, P. Tang and A. Pines, NMR of optically pumped xenon thin films 191 (1992) 385
Rakestraw, D.J., see R.L. Vander Wal 191 (1992) 251
Ramasesha, S., see P.K. Mandal 191 (1992) 448
Ramirez, F.J., see V. Hernandez 191 (1992) 419
Reimann, C.T., see G. Brinkmalm 191 (1992) 345
Reisfeld, R., see S.R. Rotman 191 (1992) 65
Reven, L., see D. Raftery 191 (1992) 385
Rice, J.E., G.E. Scuseria, T.J. Lee, P.R. Taylor and J. Almlöf, Connected triple excitations in coupled-cluster calculations of hyperpolarizabilities: neon 191 (1992) 23
Rice, J.E., see M. Stähelin 191 (1992) 245
Rinaldi, D., see C. Chipot 191 (1992) 287
Rivail, J.-L., see C. Chipot 191 (1992) 287
Rizzo, A., see M. Jaszuński 191 (1992) 599
Robb, M.A., see J.S. Francisco 191 (1992) 13
Roos, B.O., see K. Andersson 191 (1992) 507
Rösch, N., see T. Fox 191 (1992) 33
Rotman, S.R., A. Hadad, P. Kaczelnik, O. Maoz, A.M. Weiss, R. Reisfeld and M. Eyal, Direct evidence for fast energy transfer between manganese and thulium in solid-state materials 191 (1992) 65
Röttgermann, C., see T. Baumert 191 (1992) 639
Roy, D., R. Bhattacharya and S. Bhowmick, Rational approximants using the Levin *u*-transform: application to the excluded-volume problem in polymers 191 (1992) 609
Rühl, E., C. Schmale, H.C. Schmelz and H. Baumgärtel, The double ionization potentials of argon clusters 191 (1992) 430
Ruud, K., see M. Jaszuński 191 (1992) 599

Sano, T., see K. Kobayashi 191 (1992) 82
Sauer, J., see P. Ugliengo 191 (1992) 537
Schaefer III, H.F., see B. Ma 191 (1992) 521
Scheer, H., see A.V. Sharkov 191 (1992) 633
Schlier, C., see S. Dallwig 191 (1992) 69
Schloss, J.H., R.B. Jones and J.G. Eden, Wavelength dependence of the photoassociation of $Kr(4p^6\,{}^1S_0)$–$F(2p^5\,{}^2P)$ collision pairs 191 (1992) 195
Schmale, C., see E. Rühl 191 (1992) 430
Schmelz, H.C., see E. Rühl 191 (1992) 430
Schneider, R., see J. Eiding 191 (1992) 203
Schulte, J., see L. Utrera 191 (1992) 299
Schweiger, A., see Th. Wacker 191 (1992) 136
Scuseria, G.E., see J.E. Rice 191 (1992) 23
Scuseria, G.E., see T. Guo 191 (1992) 527
Sekreta, E., see G.J. Hoffman 191 (1992) 401

Selmani, A. and A. Ouhlal, Structures and infrared spectra of aluminum carbon dioxide complexes. A theoretical investigation 191 (1992) 213
Sharkov, A.V., see N.A. Borisevich 191 (1992) 225
Sharkov, A.V., I.V. Kryukov, E.V. Khoroshilov, P.G. Kryukov, R. Fischer, H. Scheer and T. Gillbro, Femtosecond energy transfer between chromophores in allophycocyanin trimers 191 (1992) 633
Sharpe, P. and C.J. Cassady, Gas-phase reactions of silver cluster ions produced by fast atom bombardment 191 (1992) 111
She, C.Y., see J.S. Friedman 191 (1992) 204
Shen, T.-L., J.E. Jackson, J.-H. Yeh, D.G. Nocera and G.E. Leroi, Fluorescence excitation spectroscopy of [2.2]paracyclophane in supersonic jets 191 (1992) 149
Shirley, J.E., W.L. Barclay Jr., L.M. Ziurys and T.C. Steimle, A molecular beam millimeter-wave optical pump/probe study of the $X\,^1\Sigma^+$ state of yttrium monofluoride, Chem. Phys. Letters 183 (1991) 363. Erratum 191 (1992) 378
Siegbahn, P.E.M., see L.G.M. Pettersson 191 (1992) 279
Simpson, V.J., see C. Anastasi 191 (1992) 157
Sivia, D.S., see J.W. White 191 (1992) 92
Smith, D., P. Spanel and D.K. Bedford, Some reactions of the highly polar ion ArH_3^+ 191 (1992) 587
Smith, I.W.M., see M.J. Frost 191 (1992) 574
Smith, M.E., see T.J. Bastow 191 (1992) 125
Spanel, P., see D. Smith 191 (1992) 587
Spycher, R.M., P.M. King and A. Bauder, Rotational spectrum and structure of a furan–$(argon)_2$ van der Waals complex 191 (1992) 102
Stähelin, M., D.M. Burland and J.E. Rice, Solvent dependence of the second order hyperpolarizability in *p*-nitroaniline 191 (1992) 245
Steimle, T.C., see J.E. Shirley 191 (1992) 378
Steinrück, H.-P., see J. Eiding 191 (1992) 203
Stoll, H., The correlation energy of crystalline silicon 191 (1992) 548
Strunz, W.T., see T. Baumert 191 (1992) 639
Stuart, B.C., S.M. Cameron and H.T. Powell, $SO(A\,^3\Pi \leftarrow X\,^3\Sigma^-)$ saturation by narrow and broadband KrF excitation 191 (1992) 273
Stuart, S.N., see T.J. Bastow 191 (1992) 125
Sublemontier, O., see J.-P. Visticot 191 (1992) 107
Suffritti, G.B., see P. Demontis 191 (1992) 553
Sundqvist, B.U.R., see G. Brinkmalm 191 (1992) 345
Surján, P.R., see I. Mayer 191 (1992) 497
Suzuka, I., see N. Ohta 191 (1992) 232
Suzuki, T., K. Takahiro and K. Kaneko, The structural change of graphitization-controlled microporous carbon upon adsorption of H_2O and N_2 191 (1992) 569
Syka, J.E.P., see P.H. Hemberger 191 (1992) 405

Tabuchi, J., see T.W. Ebbesen 191 (1992) 336
Takahiro, K., see T. Suzuki 191 (1992) 569
Takaichi, S., see M. Mimuro 191 (1992) 219
Takemura, T., see N. Ohta 191 (1992) 232
Tamai, N. and H. Masuhara, Femtosecond transient absorption spectroscopy of a spirooxazine photochromic reaction 191 (1992) 189

Tanaka, K., K. Okahara, M. Okada and T. Yamabe, Electronic properties of bucky-tube model 191 (1992) 469
Tang, P., see D. Raftery 191 (1992) 385
Tanigaki, K., see T.W. Ebbesen 191 (1992) 336
Taylor, P.R., see J.E. Rice 191 (1992) 23
Tepper, R.J., A.J. Hooper, D.H. Waldeck and M.B. Zimmt, Photophysics of polycycloalkane xanthenylidene compounds 191 (1992) 411
Thompson, D.L., see H. Gai 191 (1992) 441
Tolstorozhev, G.B., see N.A. Borisevich 191 (1992) 225
Tomita, M., see T. Matsumoto 191 (1992) 627
Tomkinson, J., see J.W. White 191 (1992) 92
Tupikov, V.S., see V.N. Brezhnev 191 (1992) 379

Ueda, K., see T. Matsumoto 191 (1992) 627
Ugliengo, P., A. Bleiber, E. Garrone, J. Sauer and A.M. Ferrari, Relative propensity of methanol and silanol towards hydrogen bond formation 191 (1992) 537
Utrera, L., J. Schulte and M.C. Böhm, Electronic and spin dynamics in one-dimensional chains studied by path-integral quantum Monte Carlo simulations 191 (1992) 299

Valeur, B., see E. Bardez 191 (1992) 142
Vander Wal, R.L., B.E. Holmes, J.B. Jeffries, P.M. Danehy, R.L. Farrow and D.J. Rakestraw, Detection of HF using infrared degenerate four-wave mixing 191 (1992) 251
Verheijen, M.A., H. Meekes, G. Meijer, E. Raas and P. Bennema, Growth and morphology of C_{60} crystals 191 (1992) 339
Verhoeven, J.W., see A.M. Oliver 191 (1992) 371
Veyret, B., see I. Bridier 191 (1992) 259
Visticot, J.-P., J. Berlande, J. Cuvellier, A. Lallement, J.M. Mestdagh, P. Meynadier, P. de Pujo and O. Sublemontier, Spectroscopy of Ba–$(Ar)_n$ clusters 191 (1992) 107
Von Niessen, W., see J. Eiding 191 (1992) 203

Wacker, Th. and A. Schweiger, Fourier-transform hyperfine spectroscopy 191 (1992) 136
Waldeck, D.H., see R.J. Tepper 191 (1992) 411
Wallwork, A.L., see A.C. Legon 191 (1992) 97
Wang, Y.-F., see Z.-L. Cai 191 (1992) 533
Warner, H.E., see A.C. Legon 191 (1992) 97
Weare, J.H., see R. Kawai 191 (1992) 311
Weiss, A.M., see S.R. Rotman 191 (1992) 65
Weitz, E., see A. Moustakas 191 (1992) 264
White, J.W., G. Lindsell, L. Pang, A. Palmisano, D.S. Sivia and J. Tomkinson, Temperature dependence of the lattice dynamics of Rb_3C_{60} 191 (1992) 92
Williams, I.H., see J.S. Francisco 191 (1992) 13
Williams, J.D., see P.H. Hemberger 191 (1992) 405
Wu, X.-G. and I. L'Heureux, Projected dynamics for fast barrier-crossing processes with BGK kinetics 191 (1992) 463

Xiao, H.-M., see Z.-L. Cai 191 (1992) 533
Xie, X.B., see H.P. Yang 191 (1992) 130

Xie, Y., see B. Ma 191 (1992) 521

Yamabe, T., see K. Tanaka 191 (1992) 469
Yamaguchi, K., M. Okumura and M. Nakano, Theoretical calculations of effective exchange integrals between nitronyl nitroxides with donor and acceptor groups 191 (1992) 237
Yamashita, K., K. Morokuma, F. Le Quéré and C. Leforestier, New ab initio potential surfaces and three-dimensional quantum dynamics for transition state spectroscopy in ozone photodissociation 191 (1992) 515
Yamazaki, I., see M. Mimuro 191 (1992) 219
Yang, H.P., Y. Qin, T.J. Cui, Q.N. Yuan, X.B. Xie, Q. Zhuang and C.H. Zhang, Nature of the new emission resulting from O_2 ($a^1\Delta_g$), Cl_2 and heated copper 191 (1992) 130
Yates Jr., J.T., see M.L. Colaianni 191 (1992) 561
Yeh, J.-H., see T.-L. Shen 191 (1992) 149
Yeh, Y.-N., see I. Gutman 191 (1992) 87
Yuan, Q.N., see H.P. Yang 191 (1992) 130

Zabel, F., see F. Kirchner 191 (1992) 169
Zaitsevskii, A.V., see F.X. Gadéa 191 (1992) 77
Zhang, C.H., see H.P. Yang 191 (1992) 130
Zhao, X., see S. Ong 191 (1992) 327
Zhou, X. and R. Liu, Geometry, force field, and fundamental frequencies of 4a,4b-dihydrophenanthrene, a scaled quantum-mechanical force field study 191 (1992) 477
Zhuang, Q., see H.P. Yang 191 (1992) 130
Zimmt, M.B., see R.J. Tepper 191 (1992) 411
Ziurys, L.M., see J.E. Shirley 191 (1992) 378
Zotti, G., see V. Hernandez 191 (1992) 419
Zou, P.F., see R.F.W. Bader 191 (1992) 54